

USEPA/OECA/OC  
State and Tribal Assistance Grant (STAG) 2000-2001  
Massachusetts: Development and Evaluation of IPM in Schools, Daycare Centers, and Childcare Programs  
Quarter 2, FY2003 Report  
Uploaded to Internet 6/2/2003

---

**Quarterly Reporting Form for EPA's 2001, 2002 and 2003  
Enforcement and Compliance Assurance Grants**

Reporting Period: Year: 2003

- Jun-Dec (due last working day Jan)
- ☒ Jan-Mar (due last working day Apr)
- Apr-Jun (due last working day Jul)
- Jul-Sep (due last working day Oct)

**I. Information**

**State and Department:** Massachusetts Department of Food and Agriculture

**Title of Project:** Development and evaluation of an Integrated Pest Management compliance assistance program to protect the health of children in schools, daycare centers and child care programs

**Grant Contact Person:**

Gerard Kennedy, Environmental Analyst, Massachusetts Pesticide Bureau, 251 Causeway Street, Boston, MA 02114.

**Phone:** 617-626-1773. Fax: 617-626-1850. email: Gerard.Kennedy@state.ma.us

**Funds Received by State:** \$200,000 (June 4, 2001):

**EPA Regional Project Officer:** Rob Koethe

**Author of report:** Gerard Kennedy

## II Status of Project Milestones

Project Milestones	Anticipated Completion Date	Completion Date
1. Develop curricula and training materials to inform and instruct Massachusetts school personnel in the principles of IPM and the laws pertaining to the implementation of IPM in schools	Summer 2001	Completed
2. Conduct series of statewide training sessions for school personnel and pest management professionals in the principles of school IPM and its legal status in Massachusetts  Series One Series Two	Summer 2001 Fall 2001	Completed Completed
3. Development of IPM Schools website  (a) General information about school IPM and the requirements under the Children's Protection Act  (b) Creation of Interactive IPM Plan Development Tool	Fall 2001  November 2001	Completed  Completed
<b>PROJECT EVALUATION MEASURES</b>  <b><i>OUTPUT MEASUREMENTS:</i></b>		
The numbers of persons attending educational sessions	Fall 2001	Completed
The number of "hits" on the website and an analysis of the traffic.	November 2001	Ongoing
The number of schools submitting plans will be a useful output measurement.	November 2001	Ongoing

<b><i>OUTCOME MEASURES</i></b>		
<i>Changes in Awareness and Understanding</i>  Workshop evaluation forms  The numbers and types of schools accessing and interacting with the website to construct an individual IPM plan for their school. This information will feed directly into a database.  Types of schools submitting IPM plans	Fall 2001	Completed
	November 2001	In Progress
	June 2003	In Progress
<i>Changes in pesticides management practices</i>  Number of schools who develop and submit their IPM plans to the State.  The number of schools who improve their understanding of pest management. Document pest control procedures and quantification of pesticide use patterns for 12-24 schools (depending on availability and logistics) that will be adopting an IPM plan. In the second year, we will closely monitor pesticide use patterns and controls within those schools and compare the results to the previous year and to an additional 12-24 new sites.	Ongoing	In Progress
	June 2003	In Progress

### **III. Status of Project Completion**

The project is on schedule to meet its target deadline of three years. The website contractor has made excellent progress in developing the new IPM in schools website which is currently going through its initial beta-testing phase. The evaluation questionnaire is being used in the field by the inspectors as they conduct their school inspections.

### **IV Results:**

1. Ditherdog, the website contractor has been working on refining the interactive IPM website. The website functionality is currently undergoing rigorous testing. Once the initial bugs are ironed out, the website will be piloted with a few select schools and daycare centers; and other interested stakeholders. The website will provide greater site specificity. It will also require that the schools understand IPM by posing pest specific, and management approach specific questions. Resources, such as pest fact sheets, will

be available to the schools to assist them in their planning. The goal will be to ensure that schools are developing practical, useful plans that can be implemented in the field. The website address can be provided to EPA upon request.

2. Field inspectors have completed their initial round of inspections of schools using the forms referenced in the previous progress report (#5). Over the next quarter data will be inputted to an Access database and analyzed using Centers for Disease Control EPI-INFO software.
3. IPM Plans continue to be submitted to DFA. However there has been a noticeable decline in the rate of schools, and particularly daycares, submitting plans.

There are approximately **2600** public, private, etc. schools in Massachusetts. Since approximately **1040** public & private schools have submitted IPM-Plans, this equates to a compliance rate of roughly **40%** (as compared to 34% in October 2002).

Of the 3214 daycare centers that are licensed with the Office of Child Care Services, approximately 417 daycares have submitted IPM-Plans. This equates to a compliance rate of roughly 13% (as compared to 11% October 2002).

As of May 6 2003, 1457 schools, daycares & school age childcare programs have IPM-Plans on file with DFA (or roughly 25% of the targeted population). This compares with a figure of 21% in October 2002.

4. A renewed outreach effort directed at school stakeholders such as parents groups is under consideration by DFA.

